

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	62	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	USPAT	OR	ON	2004/12/09 15:38
L2	53	("360"/\$.ccls.) and 1	USPAT	OR	ON	2004/12/09 15:40
L3	1	("219"/\$.ccls.) and 1	USPAT	OR	ON	2004/12/09 15:40
L4	15	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	USPAT	OR	ON	2004/12/09 15:43
L5	14	("360"/\$.ccls.) and 4	USPAT	OR	ON	2004/12/09 15:40
L6	0	("219"/\$.ccls.) and 4	USPAT	OR	ON	2004/12/09 15:40
L7	6	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	US-PGPUB	OR	ON	2004/12/09 15:41
L8	0	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	EPO	OR	ON	2004/12/09 15:41
L9	0	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	JPO	OR	ON	2004/12/09 15:41
L10	0	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	DERWENT	OR	ON	2004/12/09 15:41
L11	1	((thermal adj3 pole adj2 tip) or (pole adj2 tip)) same heat\$3) same (prior or before or preced\$3 or previous\$3) same (writ\$3 or read\$3 or record\$3 or reproduc\$3)	IBM_TDB	OR	ON	2004/12/09 15:41

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("4286377").pn.	USPAT	OR	OFF	2004/12/09 13:22
L2	14	("3719525" "4626941" "5692832" "5049410" "5331487" "5396383" "5436776" "5820945" "5825591" "6356405" "6417981" "6493183" "6532125" "6775103").pn.	USPAT	OR	OFF	2004/12/09 13:58
L3	2	("20020135922" "20030067711")	US-PGPUB	OR	OFF	2004/12/09 13:58
L4	21	("3180944" "3276003" "3632900" "3706861" "3732552" "3863124" "4605977" "4669011" "4814908" "4843502" "4853810" "5021906" "5034828" "5111348" "5255135" "5256573" "5282190" "5307224" "5313352" "5341256" "5764432").pn.	USPAT	OR	OFF	2004/12/09 13:58
L5	28	((heat\$3) or (heat\$3 adj (element or device or apparatus))) near10 (transducer or head or actuator) same (control\$4) same (optimiz\$5) same (temperature or characteristic or parameter)	US-PGPUB	OR	ON	2004/12/09 14:10
L6	1	((heat\$3) or (heat\$3 adj (element or device or apparatus))) near10 (transducer or head or actuator) same (control\$4) same (optimiz\$5) same (temperature or characteristic or parameter)	EPO	OR	ON	2004/12/09 14:12
L7	12	((heat\$3) or (heat\$3 adj (element or device or apparatus))) near10 (transducer or head or actuator) same (control\$4) same (optimiz\$5) same (temperature or characteristic or parameter)	JPO	OR	ON	2004/12/09 14:12
L8	3	((heat\$3) or (heat\$3 adj (element or device or apparatus))) near10 (transducer or head or actuator) same (control\$4) same (optimiz\$5) same (temperature or characteristic or parameter)	DERWENT	OR	ON	2004/12/09 14:12
L9	0	((heat\$3) or (heat\$3 adj (element or device or apparatus))) near10 (transducer or head or actuator) same (control\$4) same (optimiz\$5) same (temperature or characteristic or parameter)	IBM_TDB	OR	ON	2004/12/09 14:10
L10	1	(intermittent\$3 or alternat\$3 or periodic\$5 or recurr\$3 or cyclic\$4 or sporadic\$5) near5 (heat\$3) near5 (element or device or apparatus) near5 (head or transducer) near5 (control\$4 or regime or optimiz\$3) near5 heat\$3	US-PGPUB	OR	ON	2004/12/09 14:11

L11	2	(intermittent\$3 or alternat\$3 or periodic\$5 or recurr\$3 or cyclic\$4 or sporadic\$5) near5 (heat\$3) near5 (element or device or apparatus) near5 (head or transducer) near5 (control\$4 or regime or optimiz\$3) near5 heat\$3	EPO	OR	ON	2004/12/09 14:12
L12	0	(intermittent\$3 or alternat\$3 or periodic\$5 or recurr\$3 or cyclic\$4 or sporadic\$5) near5 (heat\$3) near5 (element or device or apparatus) near5 (head or transducer) near5 (control\$4 or regime or optimiz\$3) near5 heat\$3	JPO	OR	ON	2004/12/09 14:11
L13	6	(intermittent\$3 or alternat\$3 or periodic\$5 or recurr\$3 or cyclic\$4 or sporadic\$5) near5 (heat\$3) near5 (element or device or apparatus) near5 (head or transducer) near5 (control\$4 or regime or optimiz\$3) near5 heat\$3	DERWENT	OR	ON	2004/12/09 14:11
L14	0	(intermittent\$3 or alternat\$3 or periodic\$5 or recurr\$3 or cyclic\$4 or sporadic\$5) near5 (heat\$3) near5 (element or device or apparatus) near5 (head or transducer) near5 (control\$4 or regime or optimiz\$3) near5 heat\$3	IBM_TDB	OR	ON	2004/12/09 14:11

Searching PAJ

[MENU](#)[NEWS](#)[HELP](#)**Search Results : 16**[Index Indication](#)[Clear](#)**Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

[Number Search](#)**Applicant, Title of invention, Abstract** — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

[AND](#)

AND

[OR](#)

AND

[AND](#)

AND

Date of publication of application — e.g. 19980401 - 19980405 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[Search](#)[Stored data](#)

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

[MENU](#)[NEWS](#)[HELP](#)**Search Results : 2**[Index Indication](#)[Clear](#)**Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

[Number Search](#)**Applicant, Title of invention, Abstract** — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

[AND](#)

AND

[OR](#)

AND

[AND](#)

AND

Date of publication of application — e.g. 19980401 - 19980405 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[Search](#)[Stored data](#)

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

[MENU](#)[NEWS](#)[HELP](#)**Search Results : 24**[Index Indication](#)[Clear](#)**Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

[Number Search](#)**Applicant, Title of invention, Abstract** — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

[AND](#)

AND

[OR](#)

AND

[AND](#)

AND

Date of publication of application — e.g. 19980401 - 19980405 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[Search](#)[Stored data](#)

Copyright (C); 1998,2003 Japan Patent Office